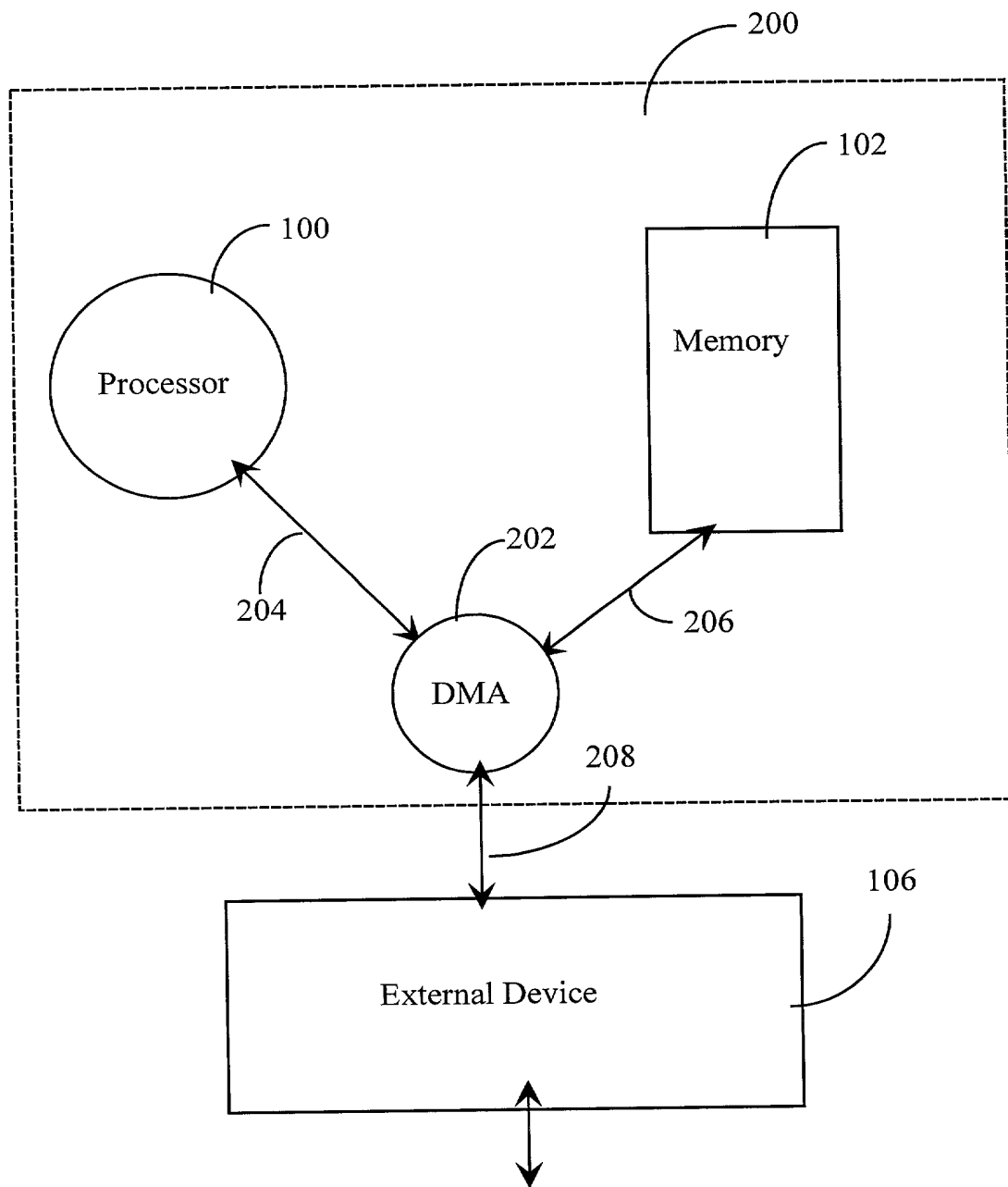
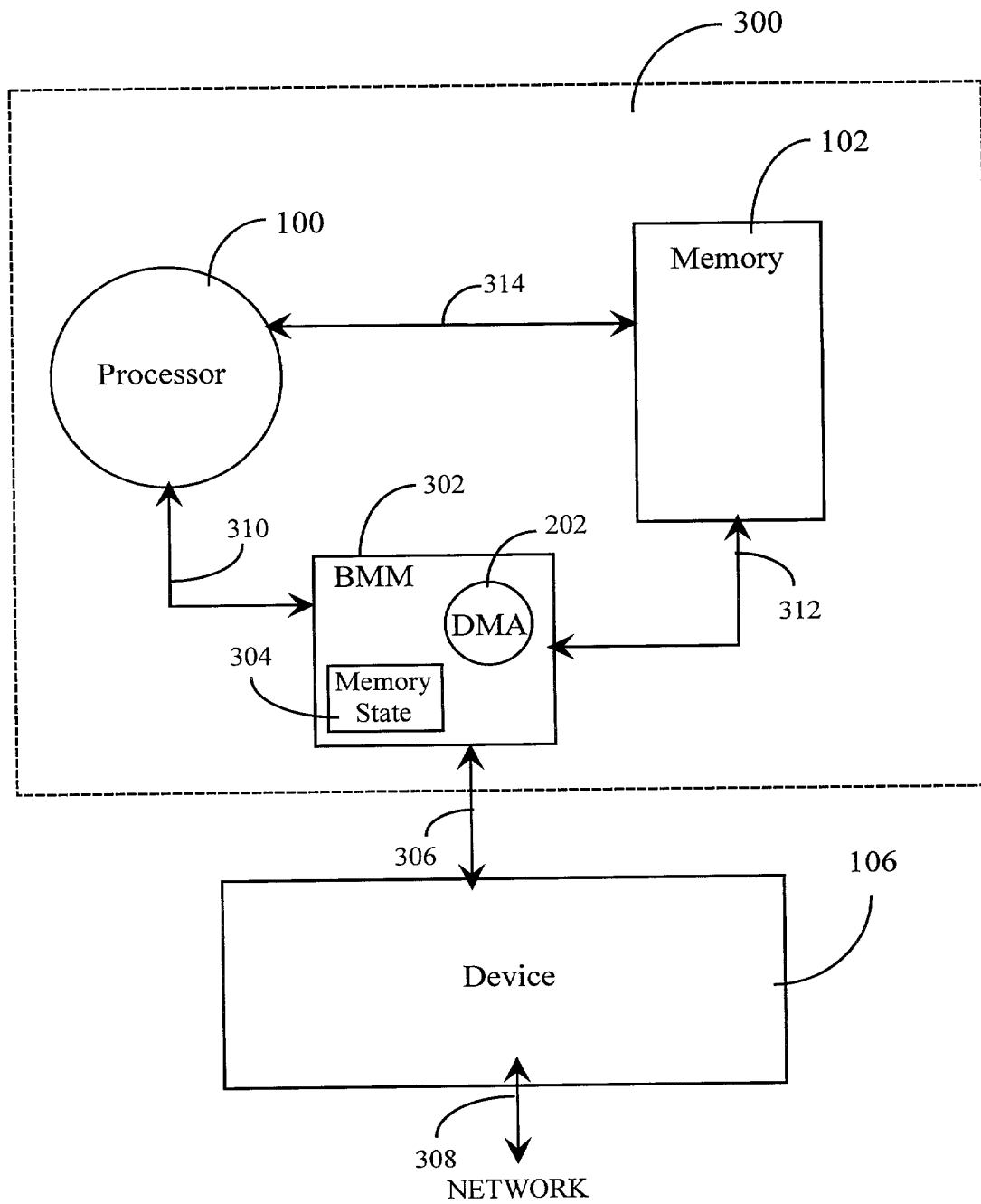


**Fig. 1 (Prior Art)**



*Fig. 2 (Prior Art)*



**Fig. 3**



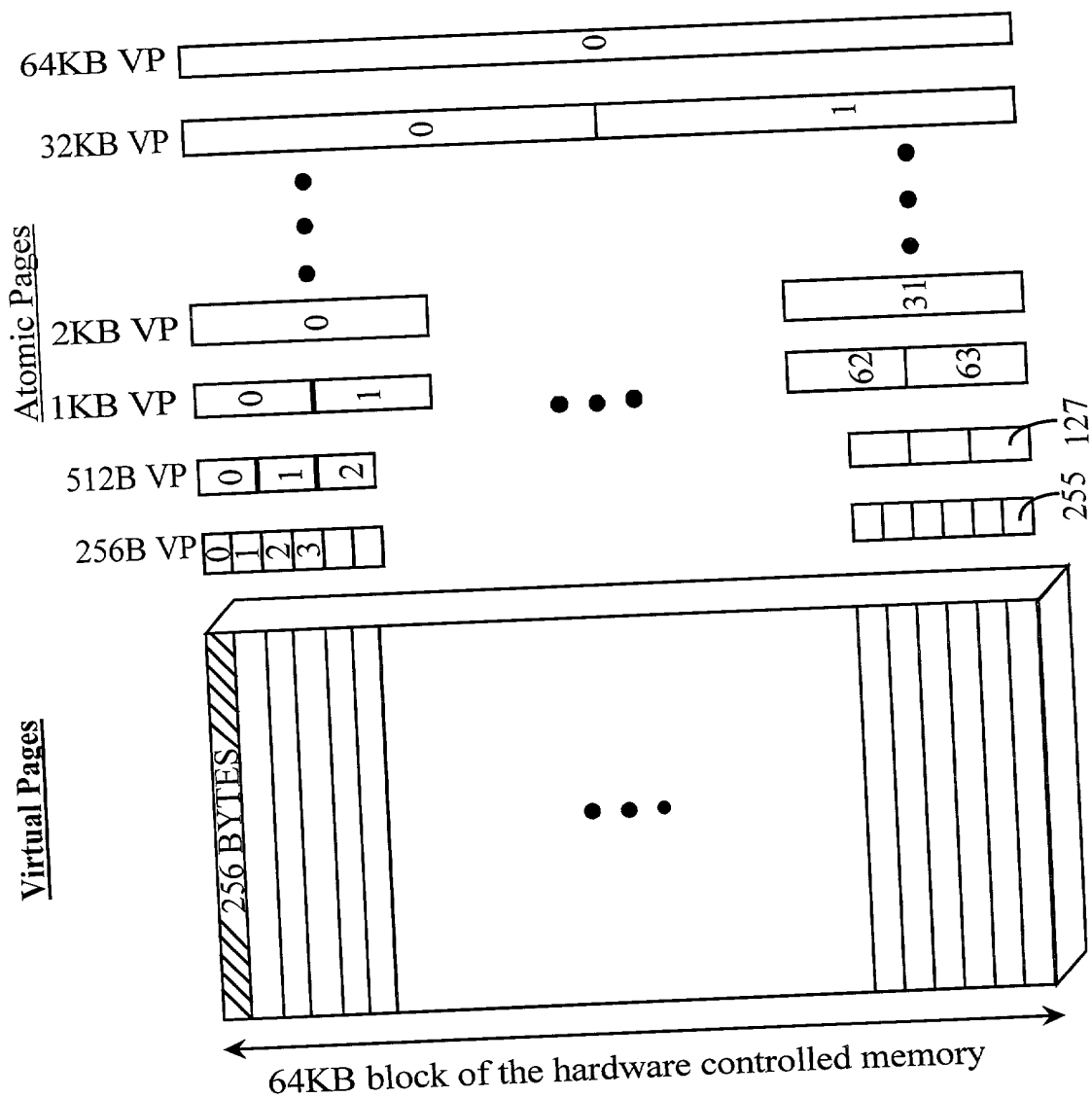
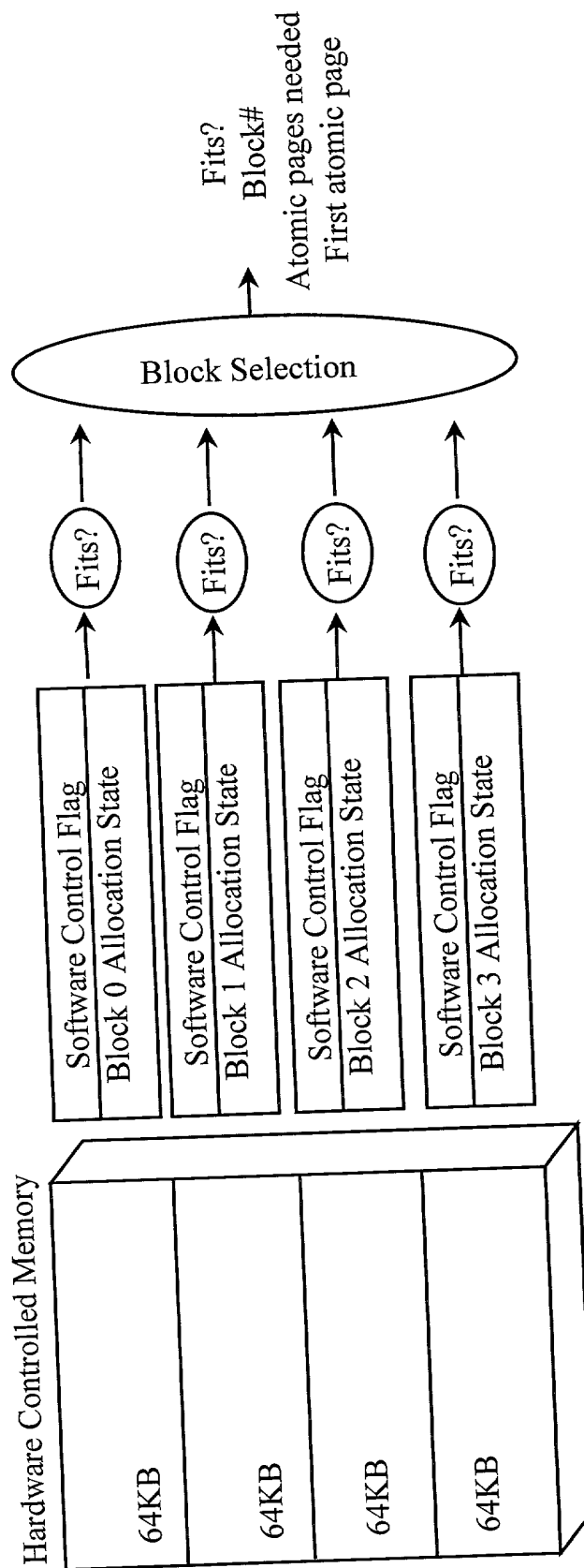


Fig. 5

Allocation algorithm implementation



*Fig. 6a*

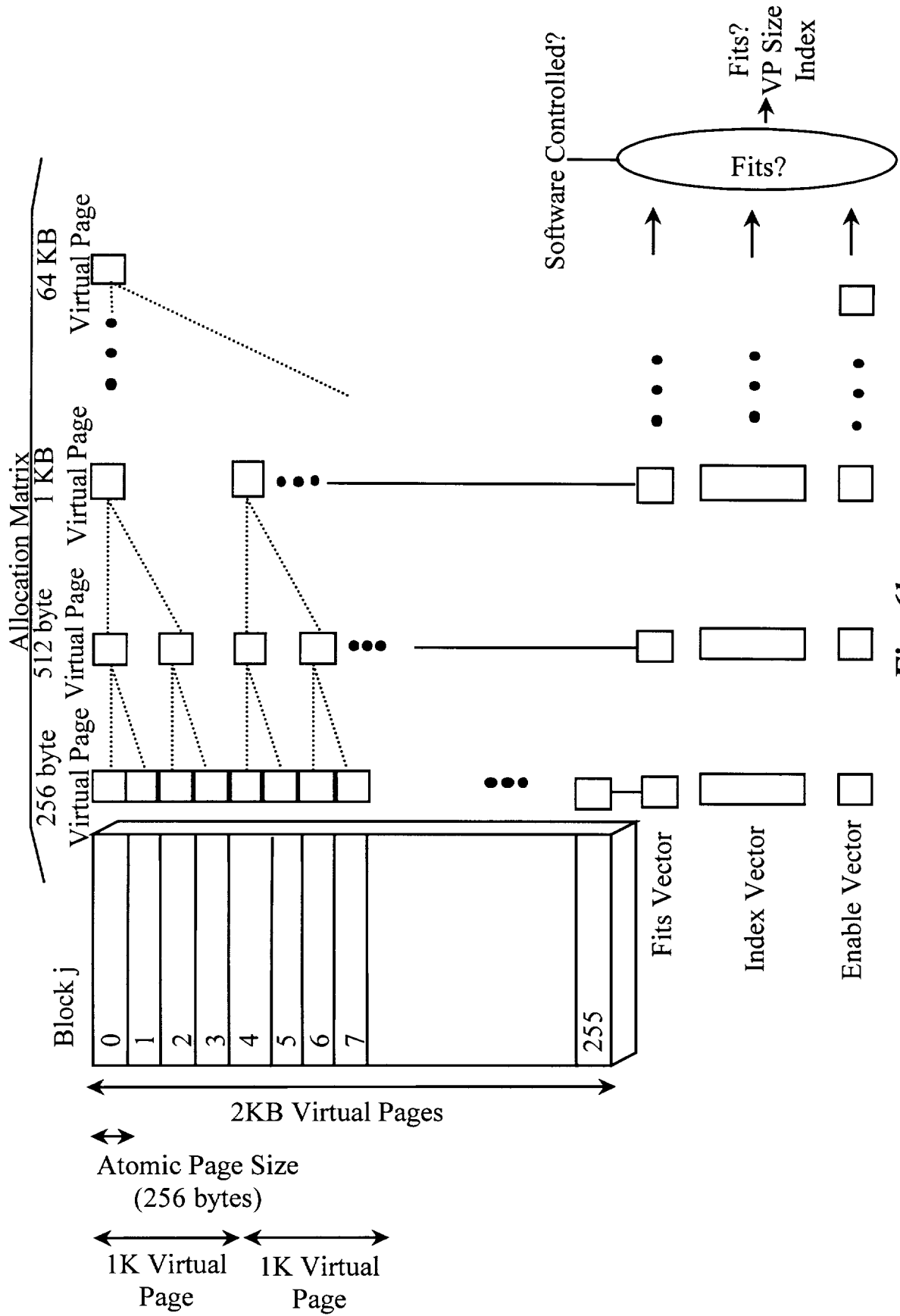


Fig. 6b

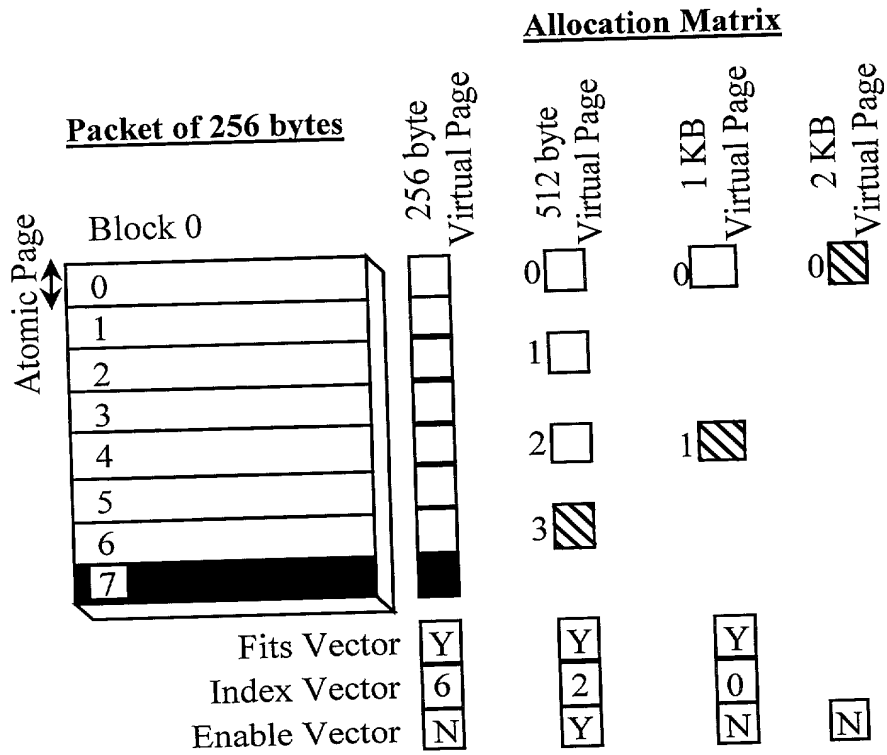


Fig. 7a

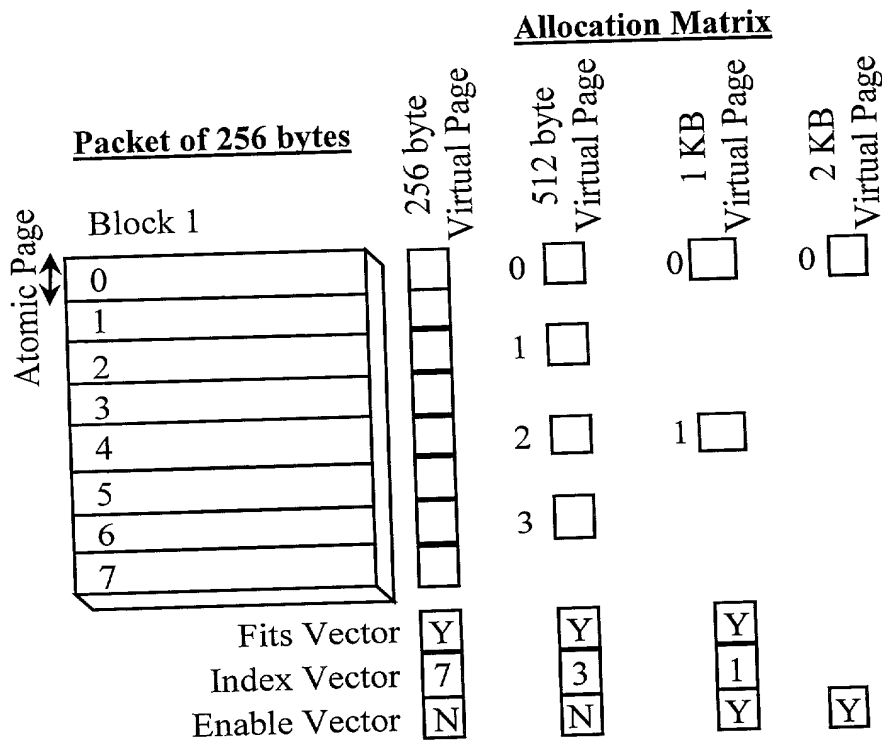
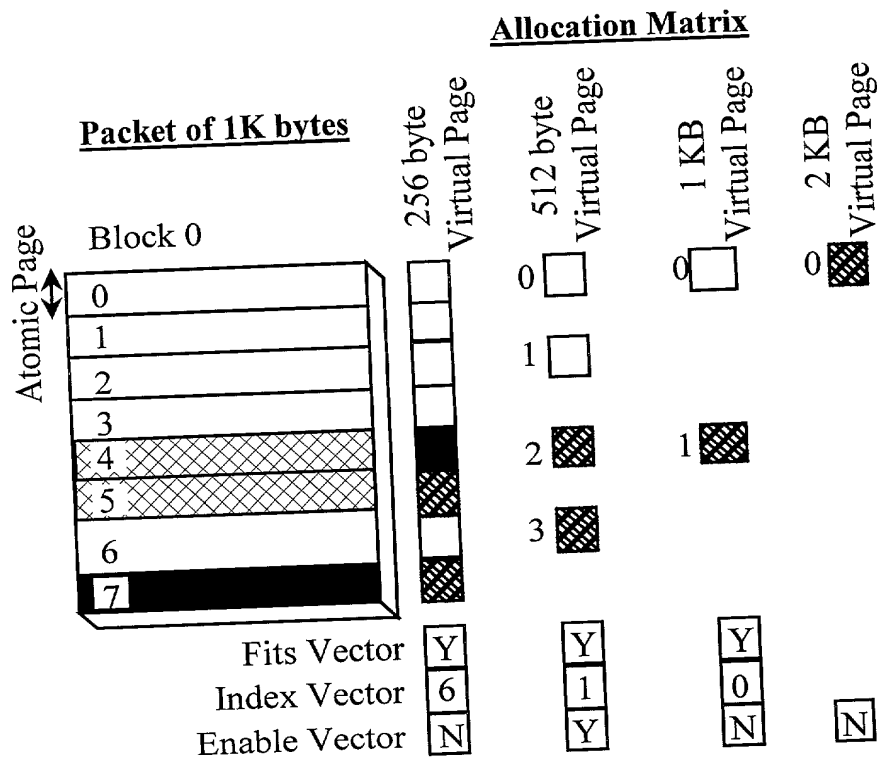
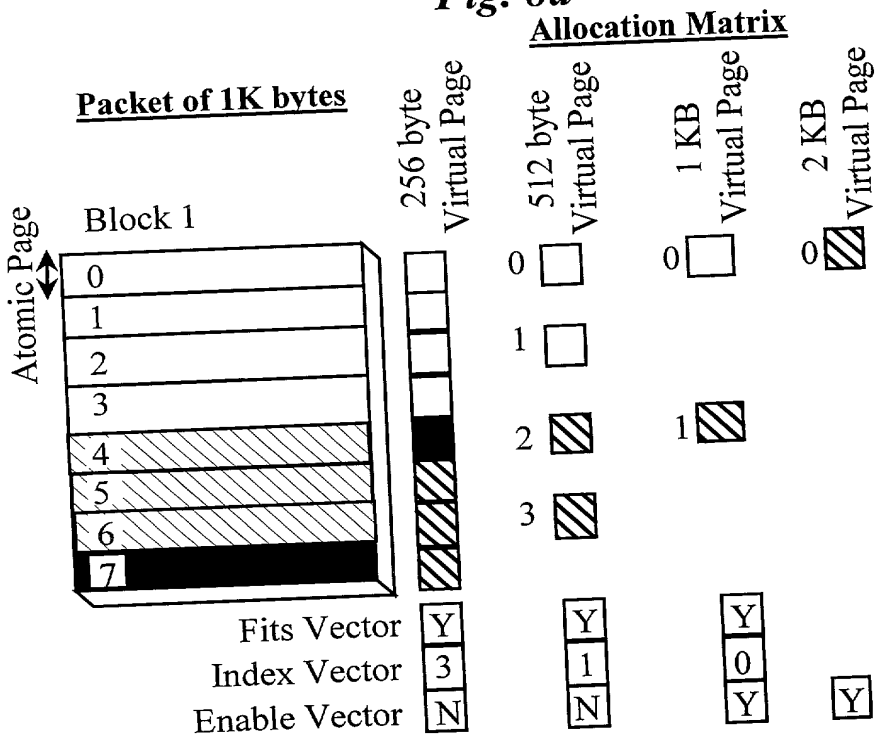


Fig. 7b





**Fig. 8a**



**Fig. 8b**

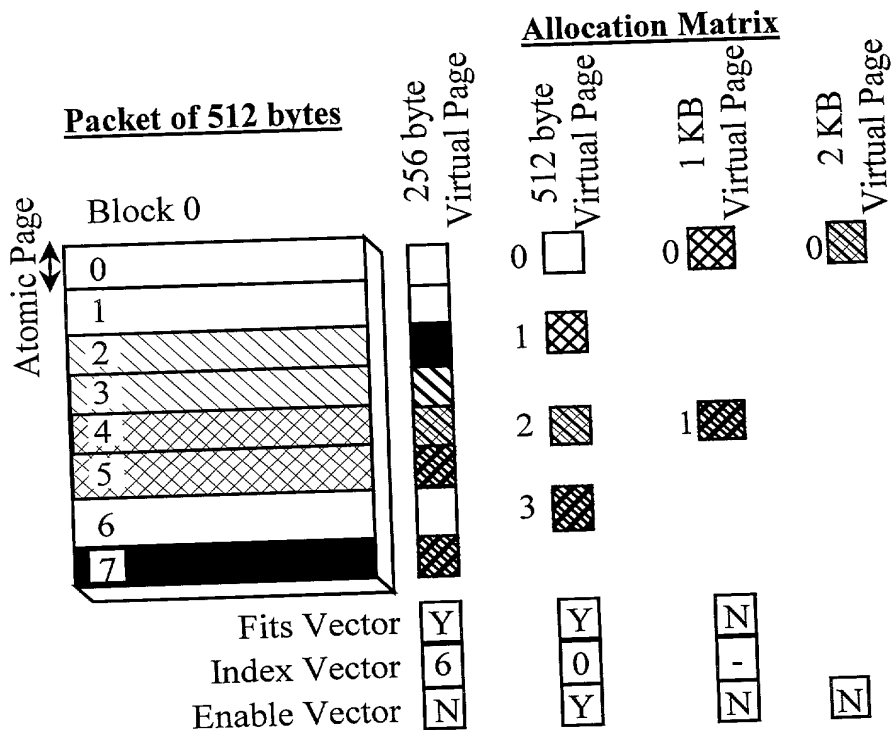


Fig. 8c

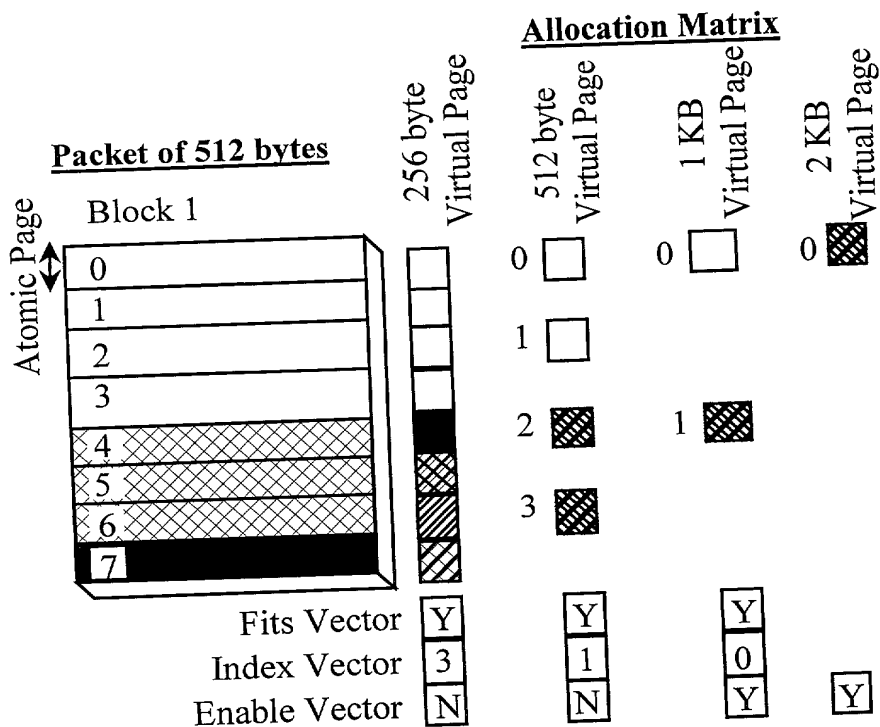


Fig. 8d

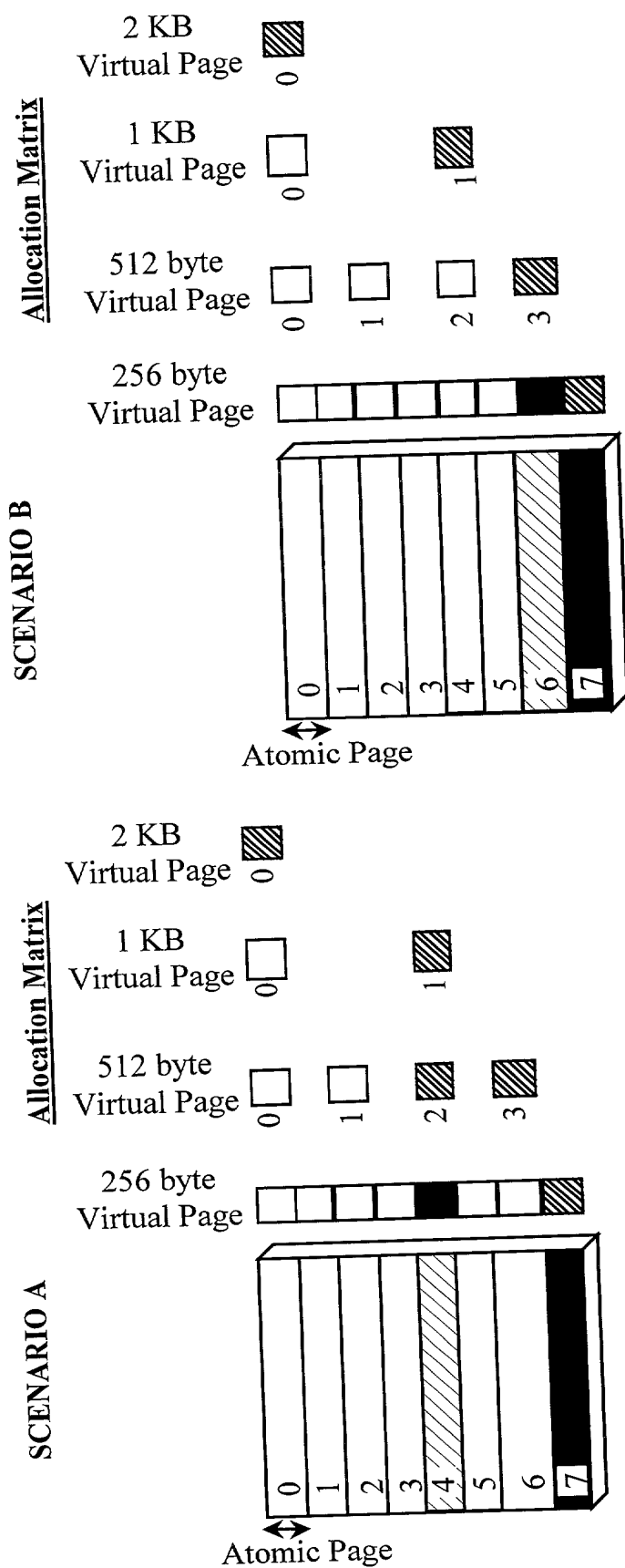
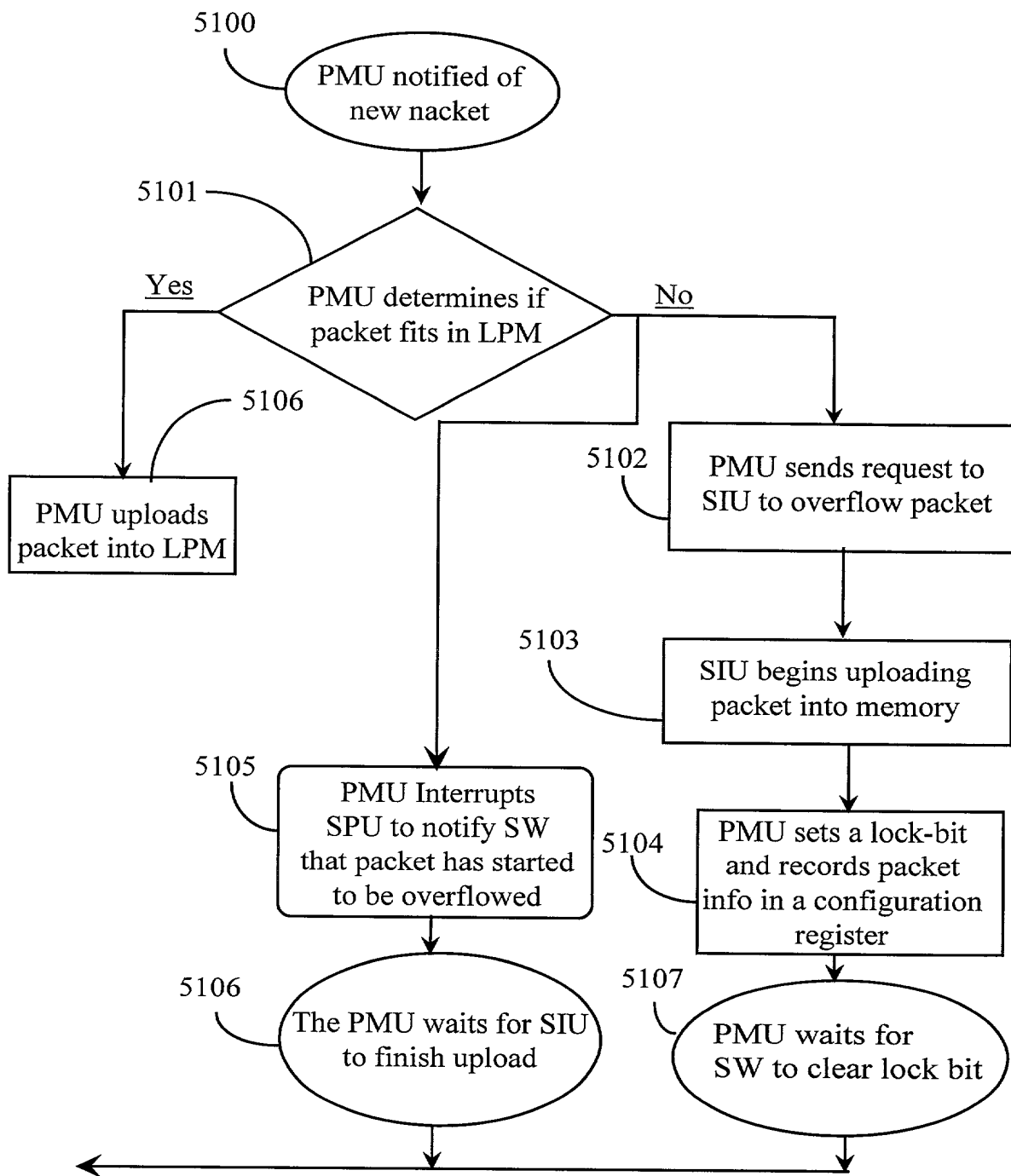


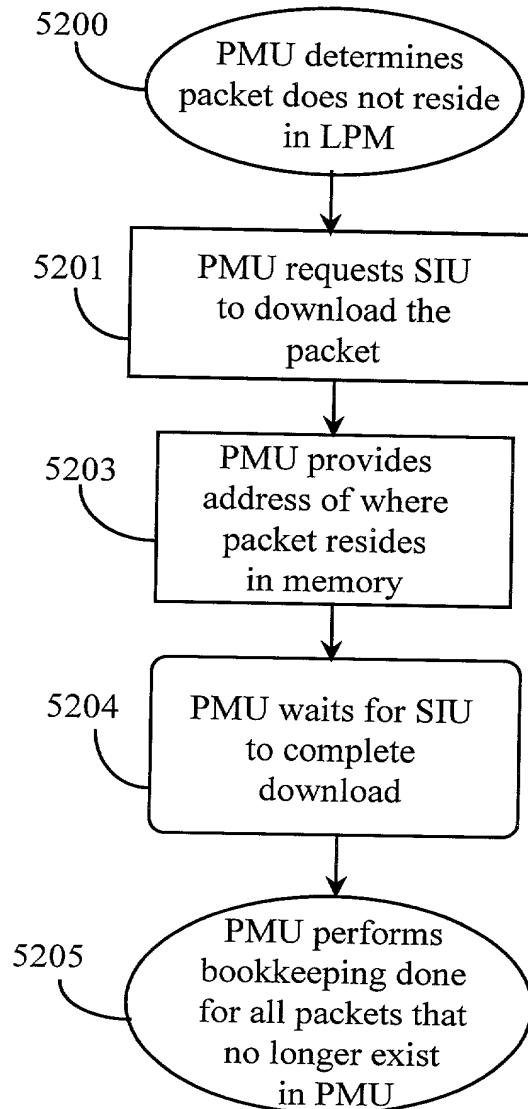
Fig. 9

**Fig. 10**



**Fig. 11**

### Overflow Retrieve Operation



**Fig. 12**